

Amendments to the Specification:

Please replace the paragraph beginning on page 15 at line 14 with the following rewritten paragraph:


From this information, computer 400 generates overlay image information 482, which is sent to display controller 398. Display controller 398 sends overlay image information 482 to display 394. Display 394 generates overlay image information 482, which is reflected off semitransparent mirror 402 through lens viewport 334. Observer 390 (Fig. 12) looking through viewport 334 sees substrate 332480 through semitransparent mirror 402 overlaid with overlay image information 482 generated by image generator 394. In Fig. 13, the ~~user~~observer 390 sees borders overlaid on North America.

Please replace the paragraph beginning on page 19 at line 10 with the following rewritten paragraph:

If the sampling attempt limit has been exceeded, computer 400 divides the values of the composite image by the number of successful samples to determine an average of the values of pixels in the subsample regions (step 180). From the resulting composite image, computer 400 determines the quadrant offset angle (step 182), as illustrated in Fig. 18. The preciseness of the quadrant angle is proportional to the size of the composite image. Put another way, a large composite image will provide a more precise quadrant angle than a small composite image.

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Amdt. dated June 10, 2003
Reply to Office action of February 12, 2003

Please replace the paragraph beginning on page 21 at line 12 with the following rewritten paragraph:



Apparatus and methods consistent with the invention use address carpet codes and associated processes similar to those shown in U.S. Patent Application No. 09/144251, now issued as US 6,327,395 B1, entitled GLYPH ADDRESS CARPET METHODS AND APPARATUS FOR PROVIDING LOCATION INFORMATION IN A MULTIDIMENSIONAL ADDRESS SPACE (Attorney Docket No. 07447.0010-00000), filed August 31, 1998, which is hereby incorporated by reference.